

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,817,112 B2  
APPLICATION NO. : 09/915216  
DATED : November 16, 2004  
INVENTOR(S) : Berger et al.

Page 1 of 11

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The title page should be deleted to appear as per attached title page.

The sheets of drawings consisting of figures 1-12 should be deleted to appear as per attached figures.

On the cover page, in the Foreign Application Priority Data, delete "100 36 100" and replace with -- 100 36 100.5 --.

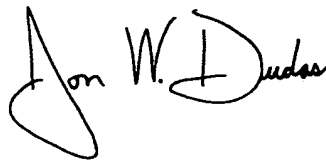
On the cover page, in the U.S. Patent Documents section, add the following U.S. patents references:

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3,273,265	09/1966	Reinert et al.
5,400,526	03/1995	Sessa
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6,389,711	05/2002	Polegato
6,401,364	06/2002	Burt
6,446,359	09/2002	Tomat

On the cover page, in the Foreign Patent Documents section, delete the reference "0350 511 B1" and replace with --0350 611 B1--.

Signed and Sealed this

Nineteenth Day of September, 2006



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*

**(12) United States Patent**  
**Berger et al.**

(10) Patent No.: US 6,817,112 B2  
(45) Date of Patent: Nov. 16, 2004

(54) **CLIMATE CONFIGURABLE SOLE AND SHOE.**

FOREIGN PATENT DOCUMENTS

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Gerd Rainer Manz, Weisendorf (DE)

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(NL)

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: 09/915,216

(22) Filed: Jul 25, 2001

(65) **Prior Publication Data**

US 2002/0017036 A1 Feb. 14, 2002

(30) Foreign Application Priority Data

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(51) Int. Cl.<sup>7</sup> ..... A43B 7/06; A43B 7/08

(52) U.S. Cl. .... 36/3 B; 36/103; 36/29;  
36/147; 36/181

(58) **Field of Search** ..... 36/3 R, 3 A, 3 B,  
36/98, 103, 107, 29, 28, 36 A, 34 A, 55,  
141, 145, 147, 166, 181

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(57) **ABSTRACT**

Disclosed are articles of footwear and soles therefor, in particular sports shoe soles that include openings for ventilation and vapor exchange. The soles include an insole layer with a plurality of first openings, a support layer with a plurality of second openings that partially overlap the plurality of first openings, and an outsole layer with at least one third opening that at least partially overlaps the plurality of second openings to provide fluidic communications through the sole from an interior of the shoe to an exterior of the shoe. A substantial portion of the plurality of first openings in the insole are interconnected to provide a path for diffusion. The shoes and soles can include a cushioning layer, a tread layer, a breathable membrane, and additional support elements. In addition, the shoes can be used with climate control socks to further enhance the climate control properties of the shoes.

**29 Claims, 9 Drawing Sheets**

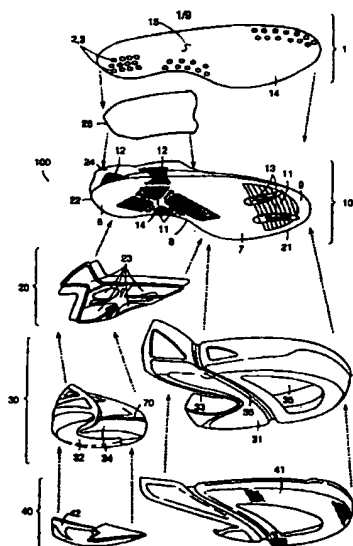
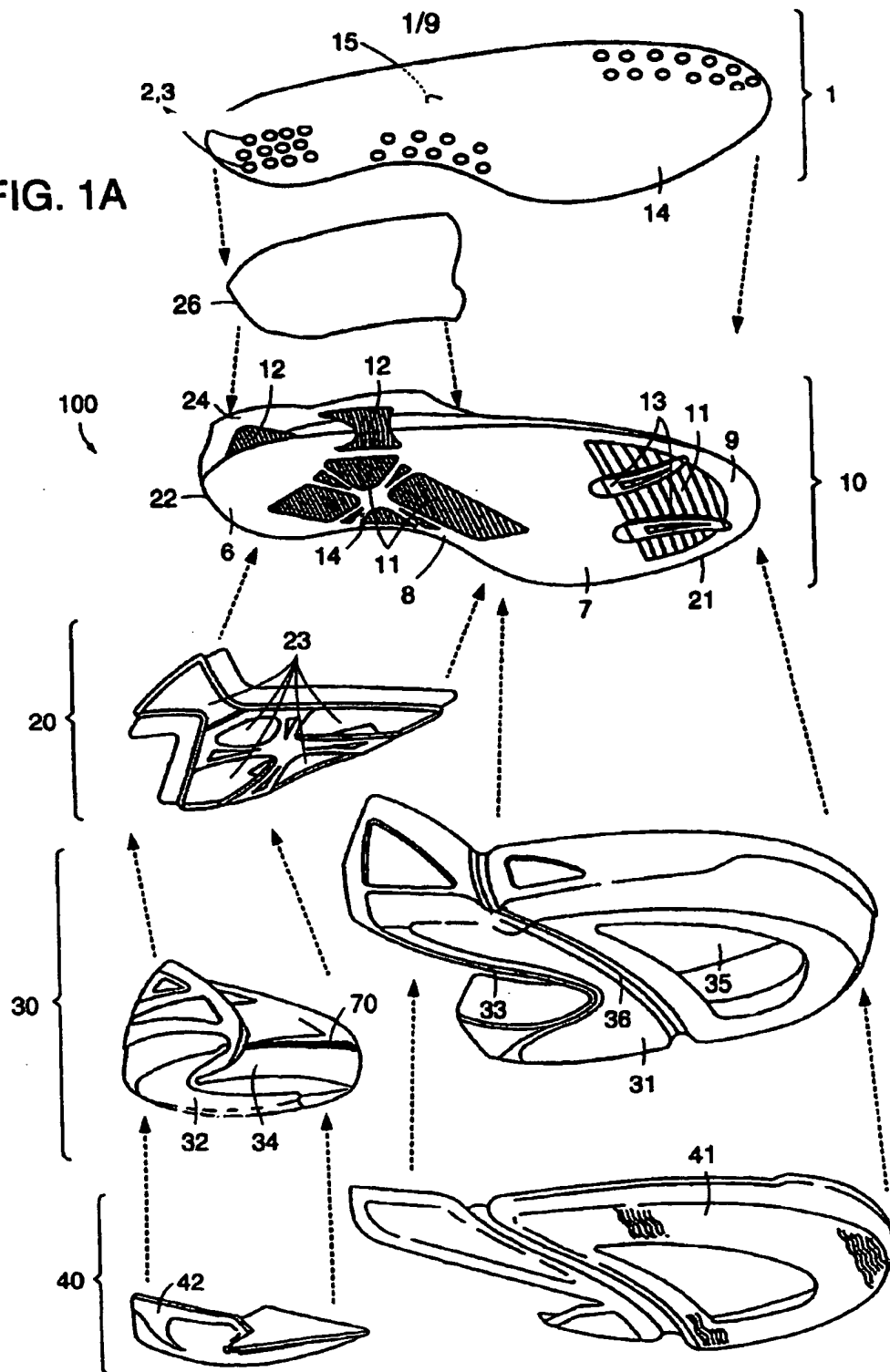


FIG. 1A



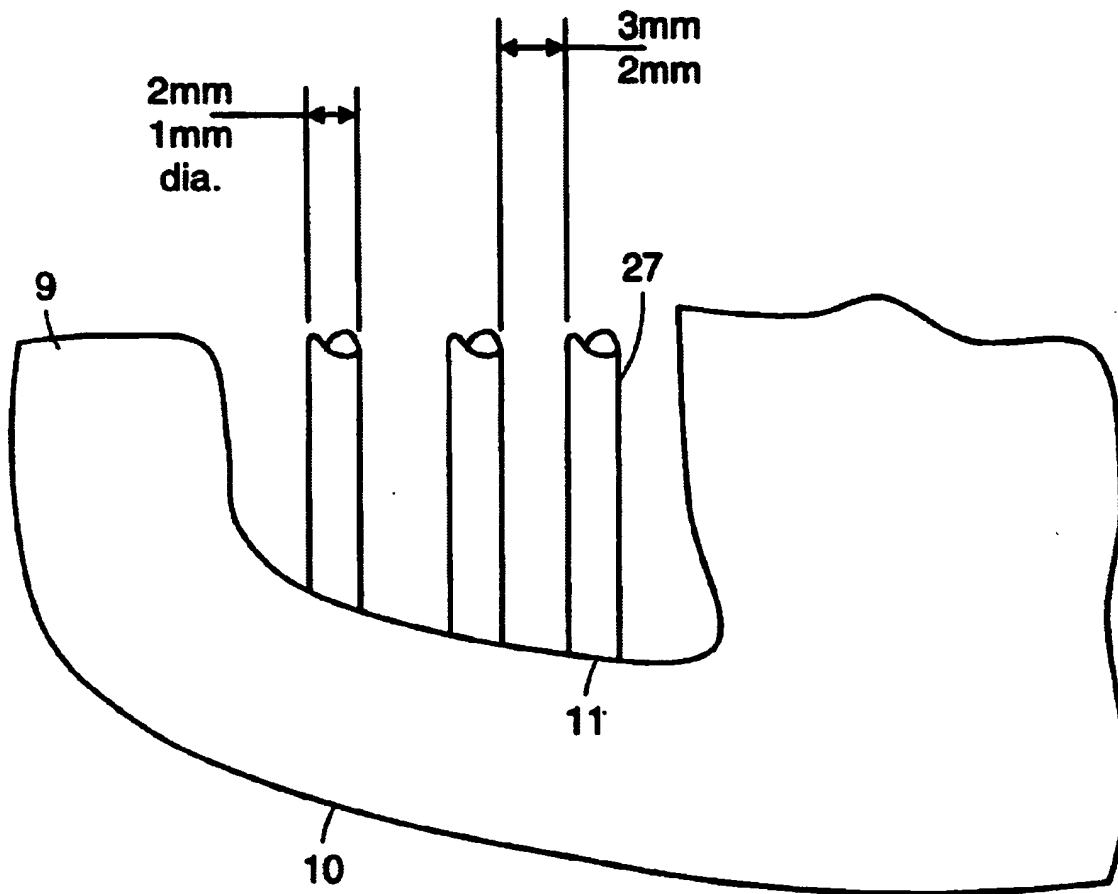
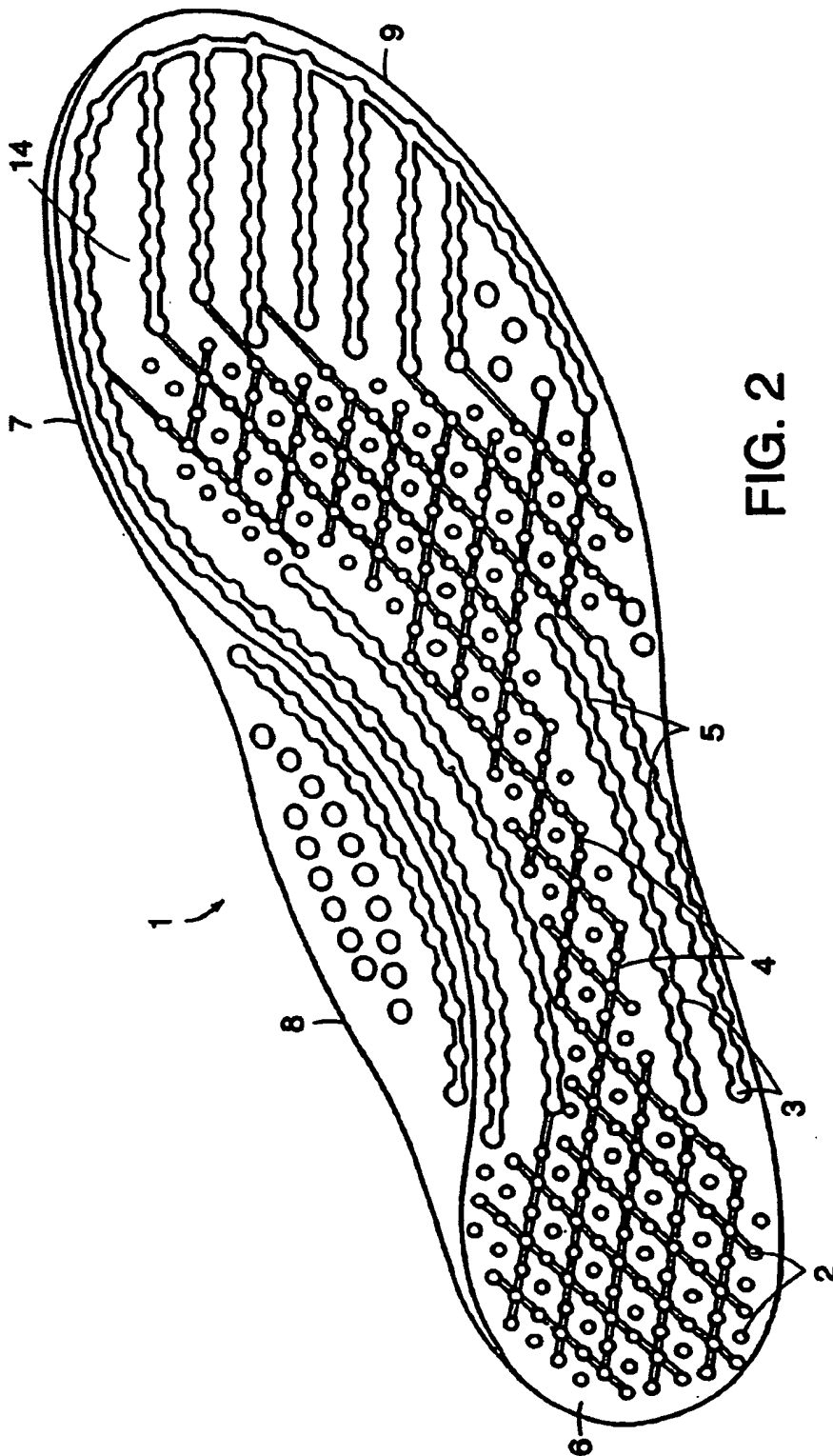


FIG. 1B



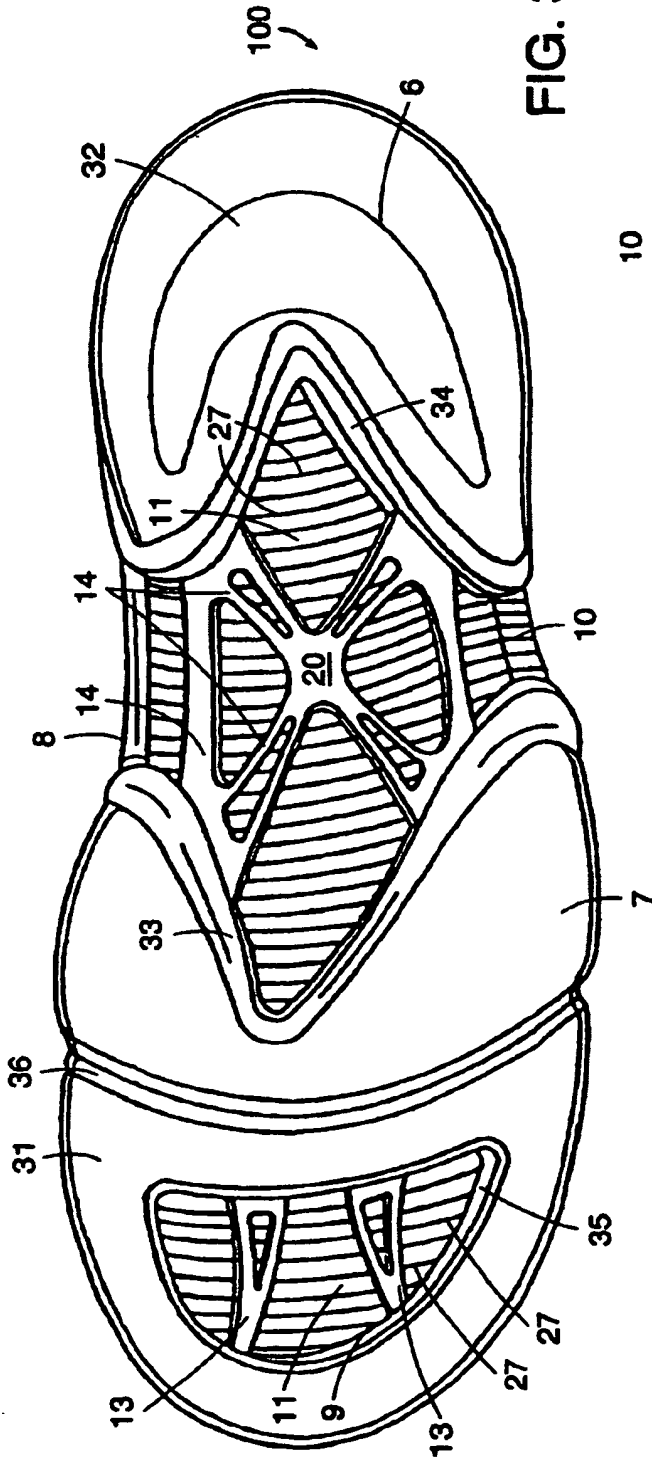


FIG. 3

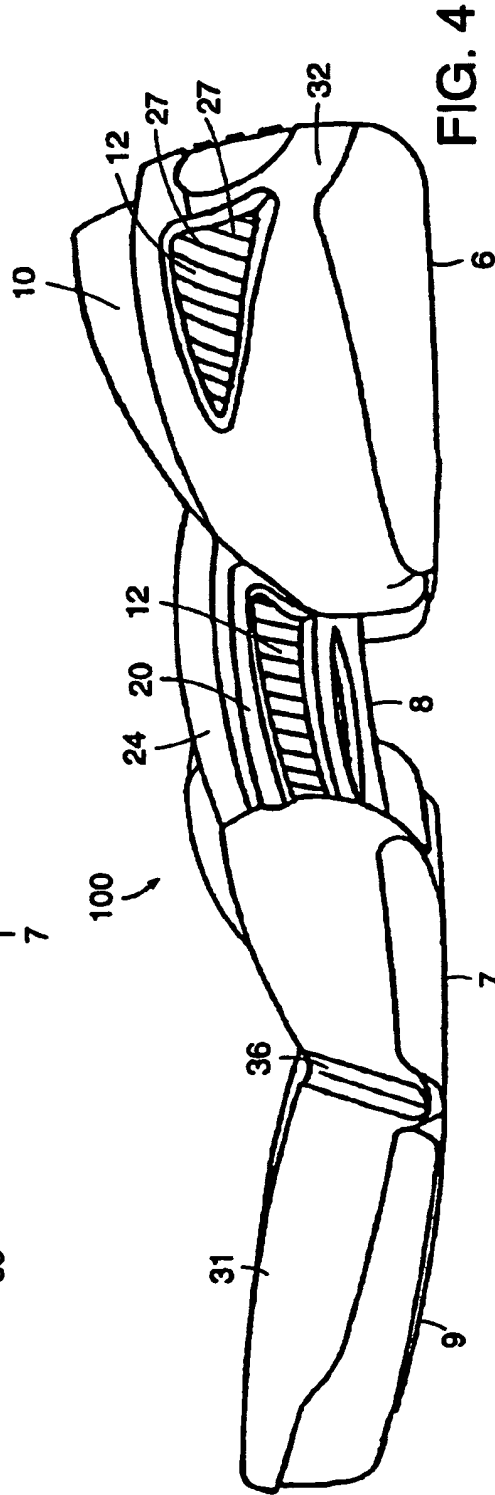


FIG. 4

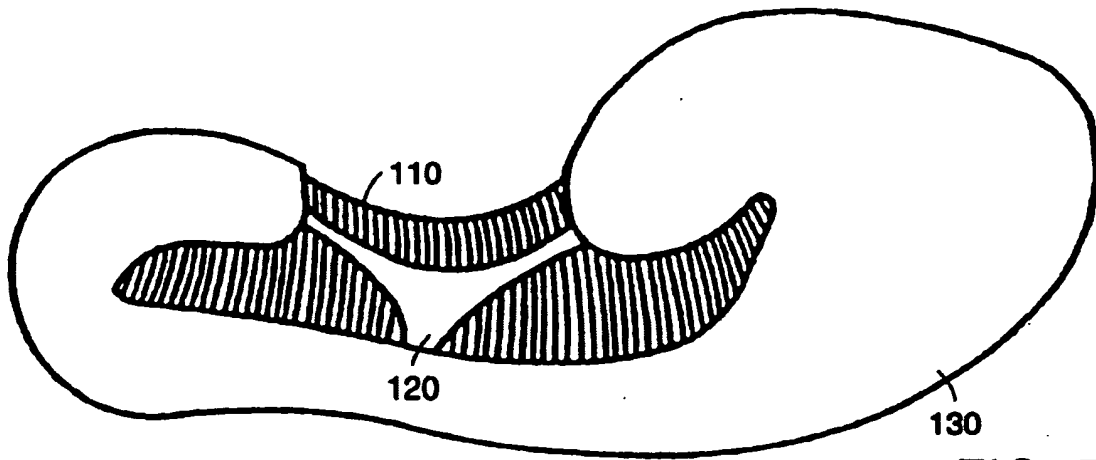


FIG. 5

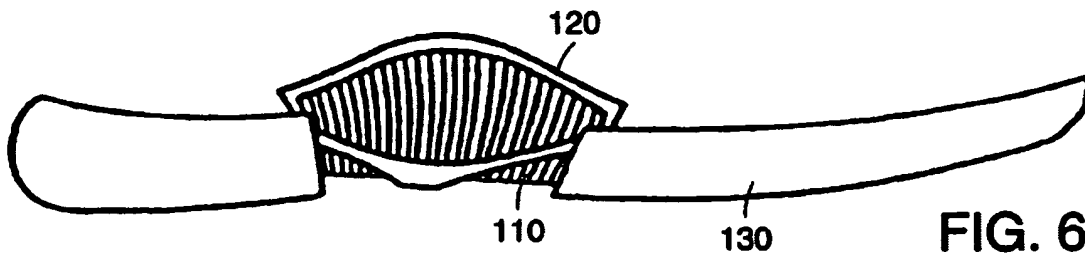


FIG. 6

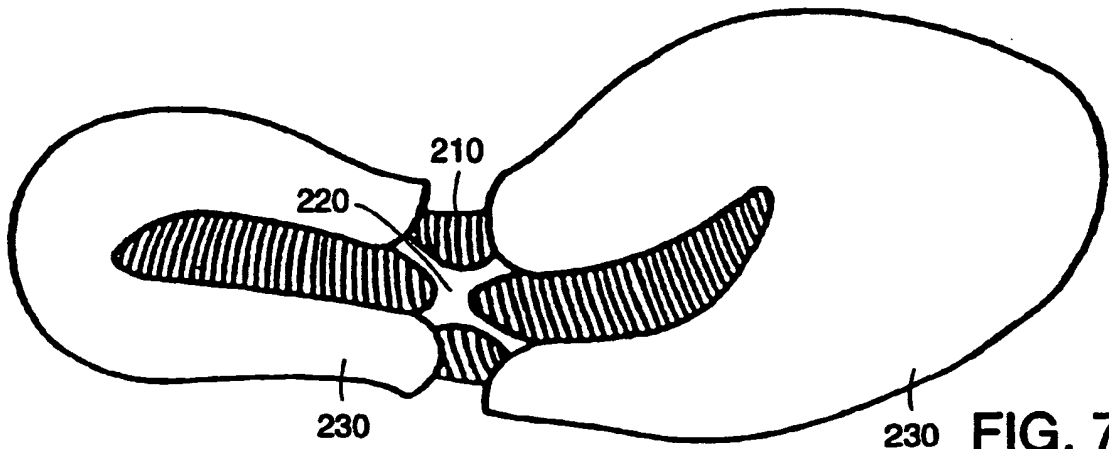


FIG. 7

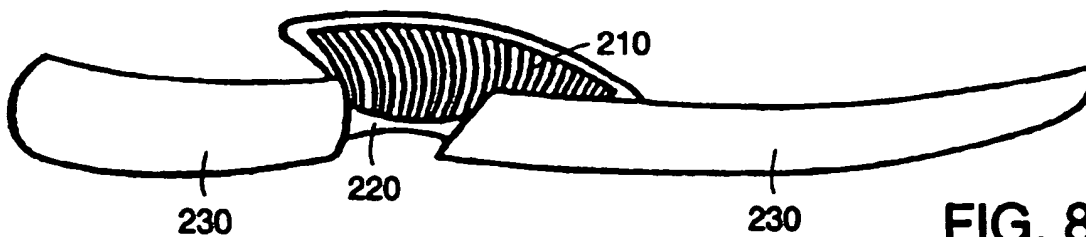


FIG. 8

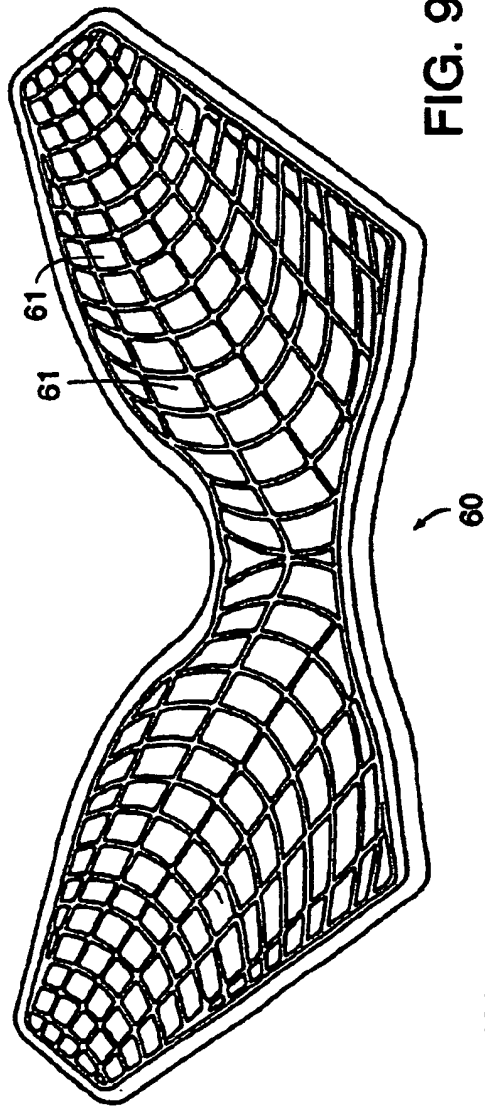


FIG. 9

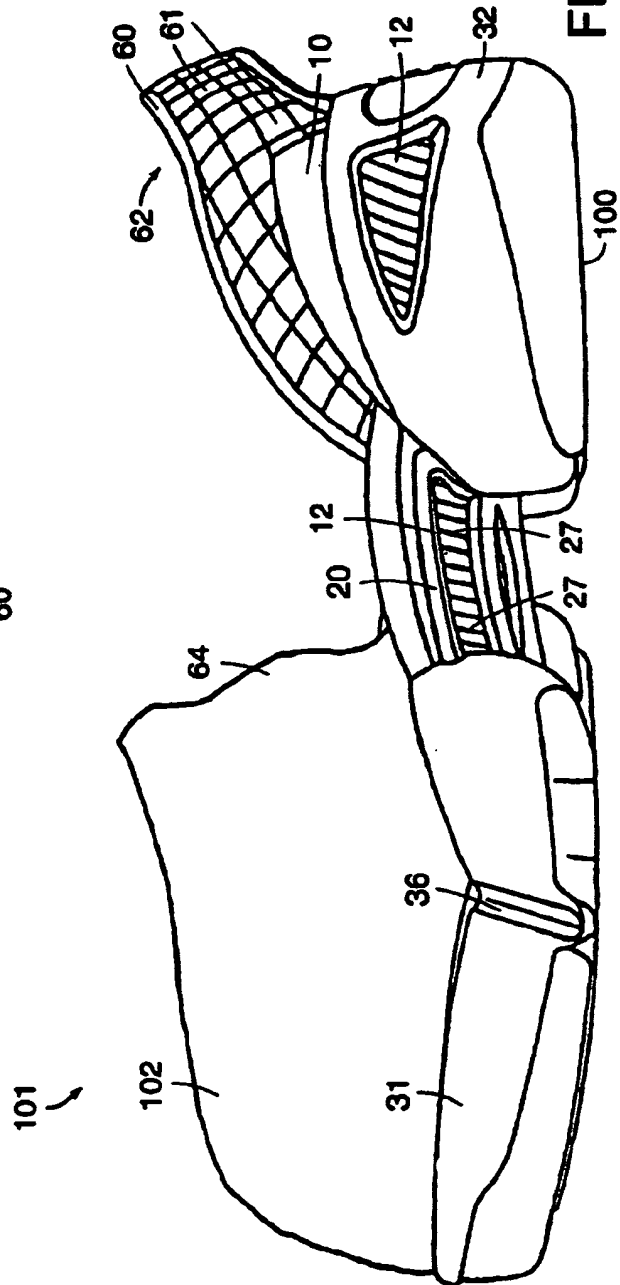


FIG. 10



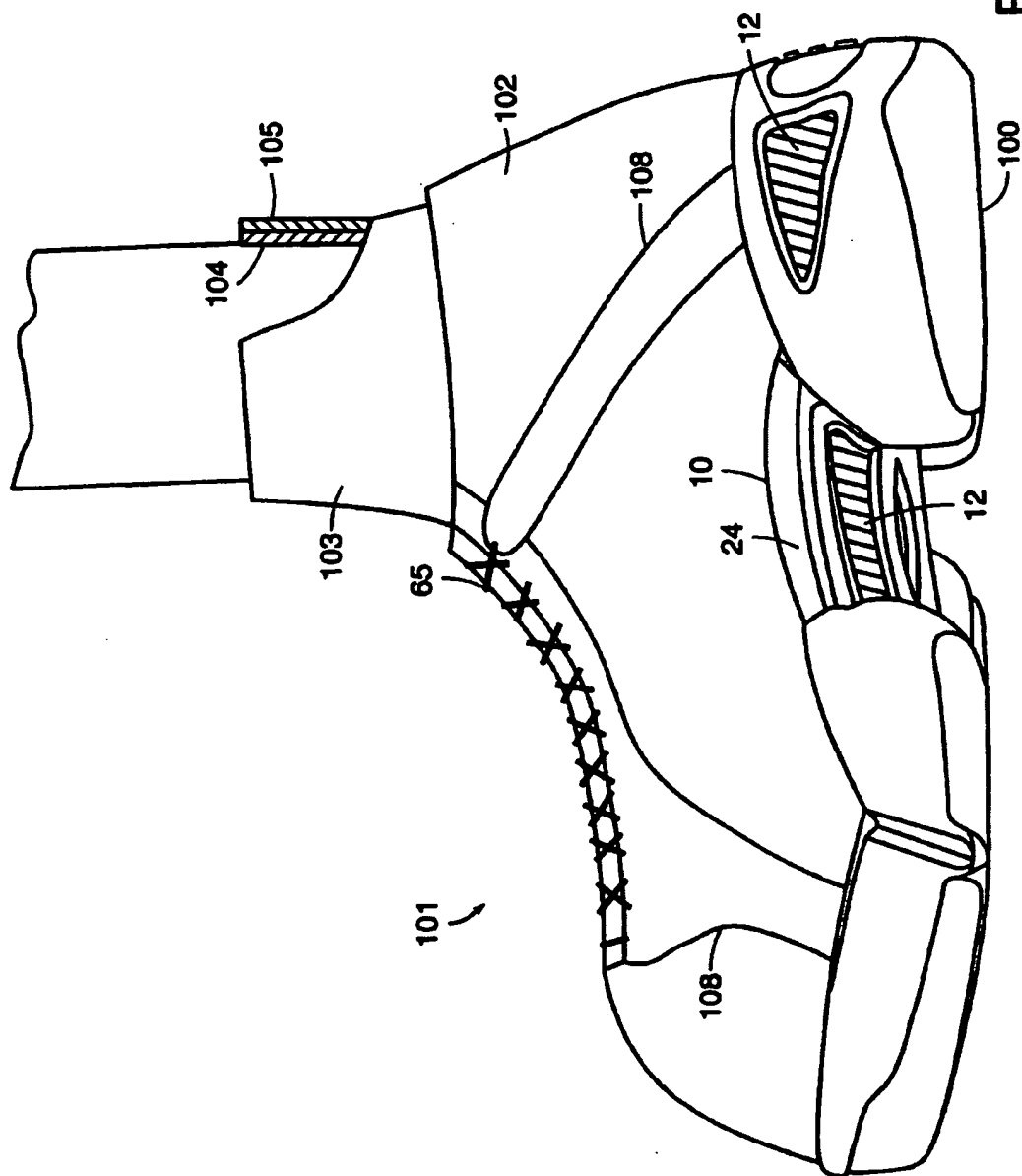


FIG. 11

U.S. Patent

Nov. 16, 2004

Sheet 8 of 9

6,817,112 B2

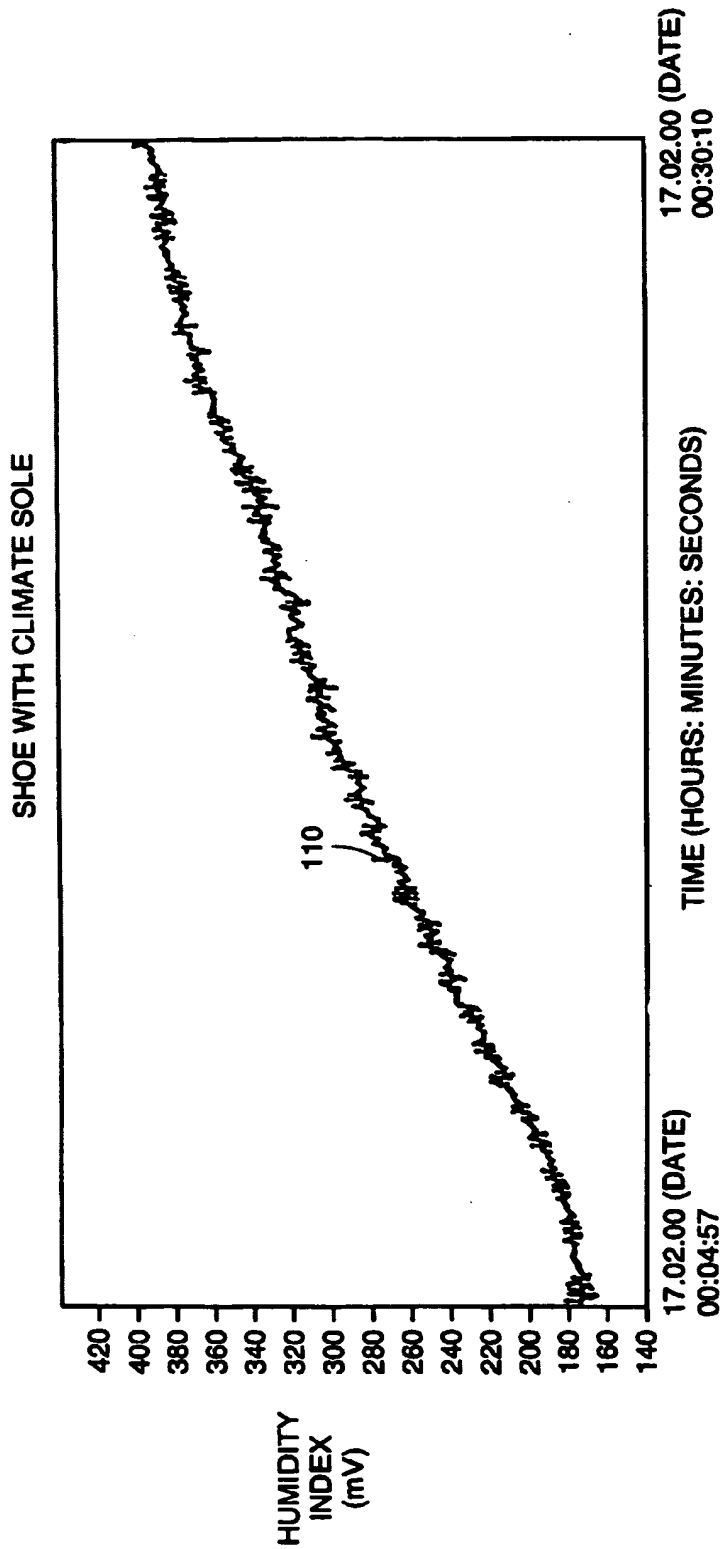


FIG. 12A

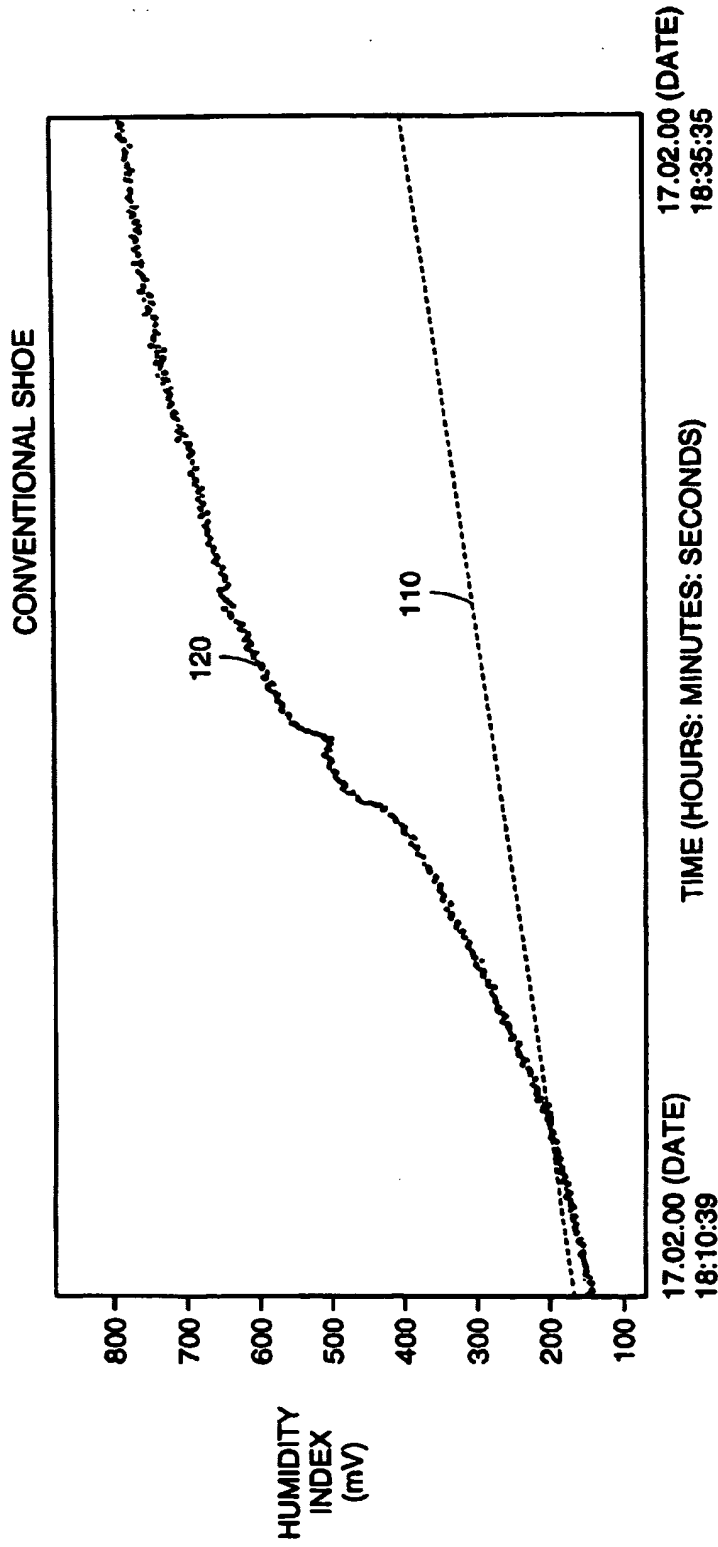


FIG. 12B